CLEARANCE MERORANDOM

UNCLASSIFIED

V. D2**39-**0012

logram
Information Sciences Division

sity of Maryland confidence Fark, Maryland 20742

1. Statement of Facts

Under Contract Nonr 5144(00) the Contractor has been performing research since 1 December 1965 with the completion date presently scheduled for 30 November 1969. Recently, a proposal was submitted in which the Contractor requested continuation of the project for an additional year at an increase in the total fixed price of \$14,917.00.

The Scientific Officer has approved the proposal from a technical point of view, has made the necessary funds available and has requested that appropriate contractural action be taken.

When this contract was originally written, it was anticipated that it would be very limited in scope and short-termed in nature. The total fixed price of the original contract was only \$1,225.00. The program has subsequently expanded a great deal and it appears that it will continue for a few years according to the Scientific Officer. In view of this, it is considered to be in the interest of the Government to award a price contract.

2. Description of Work

The Contractor will conduct research leading towards a unified theory of image processing.

3. <u>Analysis of Cost</u>

<u>Personnel</u>

Principal investigator, Dr. Azriel Rosenfeld

20% of time for 12 mos. The contract is

requested to pay half of summer malery (1 mo.) \$2,500.

Faculty Research Assistant, 25% of time for

12 mos. Secretary, 25% of time for 12 mos.

3,750.

_1.800.

TOTAL SALARIES AND WAGES

\$ 8,050.00

(continued on Page 2)

· NR 049-216/10-24-69

Contract Number: NOCC14-67-A-0239-CC12

Page 2

3. Analysis of Cost (Continued)

BROUGHT FORWARD	Total Salaries and Wages	\$ 8,050.00
Expendable supplies and materials (Computer tape, punch cards, photographic	^	
file, etc.)	•	100.00
Iravel		the second second
One trip to IEEE workshop on pidure langu	wges	
(Honolulu, Nov. 1970)	\$ 500.00	
One trip to COINS-69 (Mismi, Dec. 1969)	200.00	
One trip to Spring Joint Computer Conference		
	TOTAL TRAVEL	800.00
Publications and reports		
Page charges and reprint costs for artic		
published in journels	500.00	
Internal reproduction charges for technic	300.00	
reports, copying, etc.	TOTAL PUBLICATIONS AND REPOR	is and.on
Communications, telephone, postage	ముంచించించి గ్రామంలో ముంది కుండా ఉందిని మంద్రి కోడ్ కుట్టు మంచు ముంచి మంద్రి మంచి కోడ్ కుండా కుండా ముంచిని కోడ ముంచిన మంచ్రి కేంద్రి మంచ్రి కేంద్రి క	100.00
Computer Costs		, , , , , , ,
Univac 1108, one hour 6 \$720/hr.		720.00
Employee benefits		
leacher retirement @ 4.88%	306.00	
Employee retirement @ 4.05%	73.00	
Social security # 4.8% up to \$7800	180.00	
Hospitalization @ 5.50/member/month		*** **
	C EMPLOYAE BANEFITS	559.00
Indirect costs		3.788.00
Overhead @ 47.06% of salaries and wages TOTAL ESTIMA	ren shover	\$14.917.00
ROUNDED TO		\$15,000.00
Anguar we sell that had had had he had		4.23000000

Salaries included in the above budget are in accordance with the Contractor's current salary policy. Overhead is computed at the latest approved rate of 47.06% of salaries. The Scientific Officer considers the estimates for supplies, trave, publications, communications, and computer costs to be reasonable and necessary for the completion of the proposed research.

4. Feriod of Performance

The period of performance of Contract Nonr 5144(CC) which began 1 December 1965 will end effective 30 November 1969.

The period of performance of Task Order NOCO14-67-A-0239-0012 will begin 1 November 1969 for administrative purposes and will end 30 November 1970.

Contract Number: NOC014-67-A-0239-0012

Fage 3

5. Other Fertinent Information

The Basic contract will be reviewed to insure the inclusion of the latest required clauses and alterations.

The principal investigator for this Task Order will be Professor Esriel Rosenfeld.

6. Authority and Besonableness

Authority for the negotiation of the proposed Task Order is 10 U. S.C. 2304(a)(5), since it is with an educational institution.

In the opinion of the undersigned, the terms and conditions as outlined above, appear to be fkir, reasonable, and in the interest of the Covernment.

R. H. MEGISTER Contract Specialist

NR 049-216/13-6-69

Contract Number: Nonr 5144(00)

Modification Number: M-4

UNCLASSIFIED

24 June 1969

Information Systems Branch
Mathematical Sciences Division

University of Maryland Computer Science Center College Park, Maryland 20742

1. Statement of Facts

The University of Maryland has proposed the acceleration of Contract Number Nonr 5144(00). By letter dated 5 June 1969 this acceleration will add an additional programmer to the project staff for the summer to make possible additional work on web grammars and their application to picture description, using RSVP system development on the project, to set up and research the required graph structures.

The cognizant Scientific Officer has reviewed this proposal from a technical aspect, approved it, and by Procurement Request dated 13 June 1969 he has made available funds in the amount of \$2,500.00 for the support of the proposed research.

2. Analysis of Price

Budget

Programmer's salary (\$100/week for 14 weeks) Social security (4.8%) Computer time (\$\frac{1}{2}\$ hour at \$720 per hour) Indirect costs (47.06% of salary)	\$1,400.00 67.20 360.00 <u>658.84</u>
(Rounded off to \$2,500.00)	2,486.04

The salaries listed above are in accordance with the Contractor's current salary policy. The overhead rate of 46.07 percent of salary is in accordance with the Contractor's most recently approved overhead rate and, consequently, the price charged to overhead is considered to be reasonable. The remaining items listed above are considered to be reasonably priced and to be set forth in sufficient detail.

3. Other Pertinent Information

The work description presently set forth in this contract is considered to be adequate to cover the work to be performed by this modification.

This modification will not change the period of performance of Contract Number Norr 5444

Contract Number: Nonr 5144(00) Page 2

No advertising costs have been included in the Contractor's budget that are prohibited by the current DOD Appropriation.

4. Authority and Reasonableness

Authority for the negotiation of the proposed contract is 10 U.S.C. 2304(a)(5) since it is with an educational institution.

In the opinion of the undersigned, the terms and conditions of the proposed contract, as outlined above, appear to be fair, reasonable, and in the interest of the Government.



NR 049-216/11-19-68

UNCLASSIFIED

Contract Number: Nonr 5144(00)

16 December 1968

Modification Number: 3

Information Systems Branch

Mathematical Sciences Division

University of Maryland Computer Science Center

College Park, Maryland 20742

Statement of Facts

A proposal for the renewal of Contract Nonr 5144(00) has been submitted to the Office of Naval Research by the University of Maryland. Under this contract, the Contractor has been and will continue to perform research leading towards a unified theory of Image Processing.

The cognizant Scientific Officer has technically reviewed and approved this proposal and by Procurement Request dated 10 November 1968, has made available funds in the amount of \$15,000.00 for the support of the proposed research. The Scientific Officer also requested that the period of performance by extended through 30 November 1969.

Analysis of Price

Salaries

Principal investigator - 2 months on contract, but only one month of the time will be charged to the contract Assistant Professor - 2 months on contract Faculty research Assistant - 3 months on contract	\$ 2,100 2,600 1,900
Equipment	
Expendable supplies	300
<u>Travel</u>	
Visit groups in Great Britain, doing closely-related research, to obtain pertinent Information	750
Publication costs	
Reports and journal page charges	750
Other direct costs	
Computer time (5 hours @ \$684) Social security, hospitalization and retirement benefits	3,420 540

NR 049-216/11-19-68

Contract Number: Nonr 5144(00)

Modification Number: 3

Page 2

2. Analysis of Price (continued)

Overhead (40% of salaries)

\$ 2,640

TOTAL

\$15,000

The prices charged to salaries in the above budget are in accordance with the Contractor's current salary policy. Since the price charged for overhead is based on a rate of 40% of salaries which is the Contractor's latest approved rate, the price charged is considered to be reasonable. The remaining items listed in the above budget are considered to be set forth in sufficient detail and are reasonably priced.

3. Other Pertinent Information

The work description presently set forth in Section A of this contract is considered to be adequate to cover the work to be performed by this modification.

4. Authority and Reasonableness

Authority for the negotiation of the proposed modification is 10 U.S.c. 2304(a)(5) since it is with an educational institution.

In the opinion of the undersigned, the terms and conditions of the proposed modification appear to be fair, reasonable, and in the interest of the Government.

(b) (6)

FLETCHER A. COOKE Contract Specialist

NR 049-216/11-2-67

Contract Number: Nonr-5144(00)

Modification Number: 2

UNCLASSIFIED

1 February 1968

Information Systems Branch Mathematical Sciences Division

University of Maryland Computer Science Center College Park, Maryland 20742

1. Statement of Facts

A proposal for the renewal of Contract Nonr-5144(00) has been submitted to the Office of Naval Research by the University of Maryland. Under this contract the contractor has been and will continue to perform research leading towards a unified theory of Image Processing.

This proposed renewal has been technically reviewed and approved by the cognizant Scientific Officer who has made available funds to the extent of \$17,000.00 for the period beginning 1 December 1967 and ending 30 November 1968.

2. Analysis of Price

Salaries Principal Investigator Senior Research Programmer	Man Months 2 5	Cost \$ 1,850 5,500
Faculty Research Assistant Equipment	4	2,000
Expendable supplies		159
Travel		
Attendance at IFIP Congress,		
Edinburgh, Scotland, and		
International Pattern		
Recognition Workshop,		
Delft, Holland, August 1968		500
<u>Publication Costs</u>		
Reports and journal page		
charges		300
Other Direct Costs		
Computer time (8 hours @ \$263/hr)		1,690
Social Security, hospitalization,		1,261
retirement benefits		
Overhead (40% of Salaries)		<u>3,740</u>
TOTAL		\$17,000

The salaries listed in the above budget are in accordance with the contractor's current salary policy.

Contract Number: Nonr-5144(00)

Modification Number: 2

Page 2

2. Analysis of Price (continued)

The \$3,740.00 listed under overhead is computed at a rate of 40% of salaries which is the rate which the Office of Naval Research presently has with the University of Maryland. In view of this fact the price charged for overhead is considered to be reasonable and acceptable.

The items listed in the above budget are considered to be reasonable and sufficiently explained.

3. Other Pertinent Information

The work description presently set forth in Section A of the Schedule is considered to be adequate to cover the work to be performed by this modification.

4. Authority and Reasonableness

Authority for the negotiation of the proposed contract is 10 U.S.C. 2304(a)(5), since it is with an educational institution.

In the opinion of the undersigned, the terms and conditions of the proposed contract appear to be fair, reasonable, and in the interest of the Government.

(b) (6)

FLETCHER A. COOKE Contract Specialist

NR 049-216/8-25-66

UNCLASSIFIED

Contract Number:

Nonr 5144(00)

Modification Number:

26 September 1966

Information Systems Branch Mathematical Sciences Division Office of Naval Research

University of Maryland Computer Science Center College Park, Maryland

Statement of Facts

On April 28, 1966 the Contractor submitted a written proposal to continue the research on the theory of image processing for a one year period and requested additional funds in the amount of \$19,765.00 to support the work.

The Office of Naval Research, Information Systems Branch, Mathematical Sciences Division, reviewed the Contractor's proposal from a technical standpoint, approved the same, and submitted Procurement Request dated 25 August 1966 in the amount of \$19,765.00 to support the project for the period requested by the Contractor and recommended that an appropriate modification to the contract be negotiated.

2. Description of Work

The Description of work currently in Section A of the Schedule to the contract is considered adequate for the continuation.

Analysis of Price

Salaries		
Principal Investigator - 2 man months		\$1,710.00
Senior Research Programmer - 6 man mon	ths	6,000.00
Secretary II - 6 man months		2,550.00
Equipment		·
Expendable supplies (punch cards, film	, plotter paper, etc.)	300.00
Travel	, <u> </u>	
(Attendance at specialized meetings)		500.00
Publication Costs		
(Reports and journal page charges)		500.00
Other Direct Costs		
Computer time (10 hours @ \$250)		2,500.00
Social Security and betirement benefits	S	1,088.00
Overhead		•
45% of salaries		4,617.00
, in the second of the second	TOTAL	\$ 19,765.00

Contract Number:

Nonr 5144(00)

Modification Number:

Page 2

Analysis of Price Cont'd

The salaries being paid are in line with the current salary policy of the University. Salaries, overhead thereon, and fringe benefits constitute the major costs of the continuation. It is noted that the University is contributing \$1,650.00 as cost-sharing in the research. This represents approximately $\frac{1}{2}$ of the salary that will be paid to the Principal Investigator.

Overhead

The overhead rate of 45% is acceptable.

Period of Performance

Research, by this modification, will extend the period of performance through 30 November 1967.

Other Pertinent Information

The Patent Rights (License) Clause has previously be determined as appropriate for this contract.

The contract will be reviewed to insure the inclusion of all currently applicable clauses and modifications.

Authority and Reasonableness

Authority for the negotiation of the proposed contract modification is 10 U.S.C. 2304(a)(5), since it is with an educational institution.

In the opinion of the undersigned, the terms and conditions of the proposed contract modification, as outlined above, appear to be fair, reasonable, and in the interest of the Government.





DEPARTMENT OF THE NAVY OFFICE OF NAVAL RESEARCH WASHINGTON, D. C. 20360

ONR: 650: HER:

RN

17 Feb. 65

From: Contracting Officer

To:

ONR Branch Office S. E. Area. Wash.

Subj: Assignment of Administration of Contract Number Nonr-5144(00).

Encl: (1) Subject Contract (3 copies)

- 1. This letter assigns to you the contract administration responsibility for the subject contract and designates you as the authorized representative of the Contracting Officer. The duties to be performed may be redelegated by you to personnel under your jurisdiction.
- 2. Scientific cognizance of the work is under the Scientific Officer named in the contract.
- 3. Correspondence directed to the Contractor will be forwarded via the assigned Contract Administrator as circumstances permit. Normally, the Contractor will be expected to forward correspondence via the Contract Administrator. Where time and circumstances do not permit this procedure, the Contractor should forward to the Contract Administrator copies of letters sent directly to other addressees.
- 4. In performing these administration functions, you will be guided by the Armed Services Procurement Regulation and by the provisions of the Office of Naval Research Contractors' Manual insofar as these relate to fixed-price contracts. The responsibilities hereby delegated include:
- a. Certification of the Contractor's invoices, as the representative of the Contracting Officer, in accordance with the payment provisions in the contract.
- b. Maintaining liaison with the Contractor and the Contracting Officer on business aspects and progress of performance.
 - c. Property administration.
- d. Contracting for costs (packing, crating and handling) incident to removal of Government property from Contractor's plant. (An open-end allotment is available for this purpose.)

<u>លាង៩៦សំរាំង</u>

- e. Issuance of Government bills of lading for authorized shipments.
- f. Conducting the contract management aspects of the small business and labor surplus programs, as prescribed, to assure that small business firms and contractors located in labor surplus areas have the opportunity to compete as subcontractors.
 - g. Performing equal employment opportunity functions in accordance with Departmental directives.
 - 5. The Contract Administrator should furnish such assistance to the Contractor as may be appropriate in accomplishing the objectives of this contract. Your Office should make note of any evidence which might indicate that the contract is not being carried out as efficiently and expeditiously as possible and report any such significant observations and recommendations to the Contracting Officer.
 - 6. The Contractor should forward copies of each progress and technical report specified in the contract to your Office and should forward other copies in accordance with instructions issued by the Scientific Officer.
 - 7. The Contractor is aware of his assignment since the face page of the contract lists your Office as the Administrative Office.



E. P. BLEDSOE

CERTIFICATION OF RESPONSIBLE CONTRACTOR

NR #	048-216/9-3-65 or Requisition #	
1.	The proposed contractor,University of Maryland	
	 (a) is a manufacturer or regular dealer. (No) (b) has adequate financial resources, or the ability to secure such resources. (Yes) (c) has the necessary experience, organization, and technical qualifications, and has or can acquire the necessary facilities (including probable subcontractor arrangements) to perform the proposed contract. (_Yes) (d) is able to comply with the required delivery or performance schedule. (Yes) (e) has a satisfactory record of performance, integrity, judgment, and skills. (_Yes) (f) is otherwise qualified and eligible to receive an award under applicable laws and regulations. (_Yes) 	
2	Was a pre-award survey required. (No)	
	A pre-award survey was required and was obtained with favorable/unfavorable (cross out one) comments. If unfavorable, give reasons for over-ruling.	
		_



In accordance with the requirements of ASPR 1-904, I hereby certify that the proposed contractor for this procurement is responsible.



C. W. HARTLEY

PRE-AWARD CONTRACT PATENT RIGHTS D RMINATION
NAVSO 5870/15 (Rev. 5-65)
One copy of this form, with signatures as indicated, should accompany the research procurement request to the Contracting Officer (for New Work, Expansions and Equipment Loans).

PROCUREMENT DOCUMENT Pratract, requisition or other nos) maryland Contract Now B 0/19-276

of science of technology in which the contract of of science of technology in which the covering of directly related contracts to create, develop or improve an end item intended for use liter may be a product, a process or data.) It required felivery of the end item. End item may be a product, a process or data.) 2. Is a principal purpose of the proposed contract, either by itself or as one of a series of directly related contracts, to create, develop or improve an end item which will be required for use by the general public by a contractor sequired for use by the general public by a contractor distinguished from a predominantly and perform experimental, development distinguished from a predominantly adjusted for use of distinguished from a predominantly adjusted for use of distinguished from a predominantly adjusted from the normal contractor and end of distinguished from a predominantly adjusted for use of distinguished from the normal contractor and distinguished from the normal contractor and of the contract frequire contractor and companies of the contract of the contract frequire contractor to distinguished from the normal contractor and companies of the contract of the contract frequire contractor and companies of the contract of the contract frequire contractor and companies of the contractor and contractor and companies of the contractor and contractor	I. PURPOSE O	F TH	IE PR	OPOSED PROCUREMENT	
of directly related contracts, to create, de- related contract at public by a Government required to definite which will be re- related to the contract of the contrac	1. Is a principal purpose of the proposed contract, either by itself or as one of a series of directly related contracts, to create, develop or improve an end item intended for use in the civilian economy? (Need not necessarily require delivery of the end item. End item may be a product, a process or data.)	YES	NO Y	of science or technology in which the Govern- ment has been the principal developer of the field? (The fact that the Government has been the principal developer of a specific piece of hardware does not make the Govern- ment the principal developer in a field of	× 40
Goordinate and direct the work of others (as distinguished from a predominantly welfare (as distinguished from the normal product of science which encompasses the principal funder of a specific piece of hardware does not make of science which encompasses the piece of science which encompasses the piece of hardware.) 11. (a) Is contractor as educational or on-profit institution? 12. (a) Is contractor as educational or on-profit institution? (b) If the answer to (a) is "Yes", has contractor's patent policy been approved by Department of Defense? (b) Is contractor a "new! independent reasearch and development division or a subsidiary which g(b), established sore than five years of an older organization under 2(a), or division or subsidiary which g(b), established sore than five years of an older organization when 2(a), or division or subsidiary which g(b), established sore than five years of the science of the products or services in an area directly reasonable work called for under this request! 11. PATENT COUNSEL EVALUATION 12. CONTRACTING OFFICER'S DETERMINATION 13. Patent	2. Is a principal purpose of the proposed contract, either by itself or as one of a series of directly related contracts, to create, develop or improve an end item which will be required for use by the general public by a Government regulation?		X	tractor provide services for the operation of a Government-owned research or production facility and perform experimental, developmental or research work at that facility?	X
been little significant experience outside of work funded by the Government? (The fact that the Covernment has been the principal funder the Government has been the principal funder in a field of science which encompasses the piece of hardware.) BRANCH HALD (Signature) (B) (6) RICHARD H, WILCON RICHARD H, WILCON II. STATUS OF PROSPECTIVE CONTRACTOR II. STATUS OF PROSPECTIVE CONTRACTOR II. (a) Is contractor an educational or non-profit institution? (b) If the answer to (a) is "Yes", has contractor's patent policy been approved by Department of Defense? ANSWER 2.3 ND A ONLY FANSER TO QUESTION Ital IS "MO". (c) Has contractor developed non-governmental commercial position? (b) Is contractor a "newly formed" research and development drysnion or as subsidiary of an older organization? (b) Is contractor developed non-governmental commercial position? (c) Has contractor developed non-governmental commercial position? If the answer to 2(a) or 2(b) is "yes", does contractor shall NOT be considered "newly formed" or "new". Soling under 2(b), established sore than five years shall NOT be considered "newly formed" or "new". Saling under 2(b), established sore than five years shall NOT be considered "newly formed" or "new". Saling under 2(b), established sore than five years shall NOT be considered "newly formed" or "new". Saling under 2(b), established sore than five years shall NOT be considered "newly formed" or "new". If the answer to 2(a) or 2(b) is "yes", does contractor shall be not required to define his program. II. PATENT COUNSEL EVALUATION The Contract special state of the challed sort and the contractor is a new factor or source of products or services in an area directly related to a field of technology which includes the work called for under this required. ACTIVITY SATE OF THE COUNSEL EVALUATION The Contract special state of the field of technology which includes the work called for under this required. ACTIVITY ONE STATE OF THE COUNSEL EVALUATION The Contract special state of the cou	3. Is a principal purpose of the contract directly concerned with public health or public welfare (as distinguished from a predominantly military purpose)?		×	coordinate and direct the work of others (as distinguished from the normal contractor-subcontractor relationship) which might result in a potential organizational conflict	X
BRANCH HEAD (Signster) (a) (6) RICHARD H. WILLOX II. STATUS OF PROSPECTIVE CONTRACTOR 1. (a) Is contractor an educational or non-profit institution? (b) If the answer to (a) is "Yes", has contractor's patent policy been approved by Department of Defense? 2. (a) Is contractor a "newly formed" research and development organization? (b) Is contractor a "newly formed" research and development organization? (c) Has contractor developed non-government foreign nationals (including business concerns) foreign extending business concerns) foreign nationals (including business concerns) foreign nationa	4. Is the contract for procurement in a field of science or technology in which there has been little significant experience outside of work funded by the Government? (The fact that the Government has been the principal funder of a specific piece of hardware does not make the Government the principal funder in a field of science which encompasses the piece of hardware.)		×		
II. STATUS OF PROSPECTIVE CONTRACTOR 11. (a) Is contractor an educational or non-profit institution? (b) If the answer to (a) is "Yes", has contractor's patent policy been approved by Department of Defense? MANWER #2. 3 and 4 ONLY IF ANSWER TO OUSSION I(a) IS "NO". 2. (a) Is contractor a "newly formed" research and development organization? (b) Is contractor a "newly formed" research and development organization? (c) Has contractor developed non-governments foreign governments foreign governments foreign experiments of the field of technology which includes the work called for by this procurement request? 5. If 4(a), (b) or (c) are answered "Yes", give basis for answer. (Attach separate page if additional space is needed.) 111. PATENT COUNSEL EVALUATION 112. PATENT COUNSEL EVALUATION 113. The contractor is approved by DOD. 114. PATENT COUNSEL EVALUATION 115. NON 116. (a) Is contractor regularly engaged in the Yes No sale or I censing of such products or service of products or service sin an area directly related to the field of technology which includes the work called for under this request? 126. (a) Is contractor a "newly formed" research and development division or a subsidiary of an older organization under 2(a), or division or subsidiary under 2(b), established more than five years shall NOT be considered "newly formed" or 'new". 127. If the answer to 2(a) or 2(b) is "yes", does contractor have a definite program for establishing a non-governments (c) Has contractor special development or subsidiary of an area directly related to a field of technology which includes work called for under this request? 128. If 4(a), (b) or (c) are answered "Yes", give basis for answer. (Attach separate page if additional space is needed.) 129. In July 189. 130. If 4(a), (b) or (c) are answered "Yes", give basis for answered "Yes", would contract to the field of technology which includes work called for under this request? 138. If 4(a), (b) Is contractor space and incentified to the field of technology whi	BRANCH HEAD (Signature) (b) (6)			Oldr/ven DATE 9/3/1-1	_
1. (a) Is contractor an educational or non-profit institution? (b) If the answer to (a) is "Yes", has contractor's patent policy been approved by Department of Defense? ANSWER #2, 3 AND 4 ONLY IF ANSWER TO QUESTION 1(a) IS "NO". (c) Is contractor a "newly formed" research and development organization? (d) Is contractor a "newly independent research and development division or a subsidiary of an older organization and the experimental commercial and the experimental commercial and the experimental commercial position? The contractor have a definite program for establishing a non-governmental commercial position? (If answer is "Yes", contractor should be required to define his program.) If Question 4 or 5, in Part I, is answered "Yes", would contractor be likely to get a preferred or dominant commercial to acquire title to inventions under the contract? If Question 4 or 5, in Part I, is answered "Yes", would contractor be likely to get a preferred or dominant commercial to acquire title to inventions under the contract? NOTHER CONTRACT INCOMPACT INCOMP				3, 1, 82/ 1/3/ 62	
ANSWER #2. 3 AND 4 ONLY IF ANSWER TO OUESTION (ta) IS "NO". 2. (a) Is contractor a "newly formed" research and development organization? (b) Is contractor a "new" independent research and development division or a subsidiary of an older organization? (b) Is contractor a "new" independent research and development division or a subsidiary of the considered "newly formed" or "new". (c) Has contractor developed non-governmental commercial markets for inventions in an area directly related to the field of technology which includes the work called for by this procurement request? 5. If 4(a), (b) or (c) are answered "Yes", give basis for answer. (Attach separate page if additional space is needed.) (c) Has contractor developed non-governmental commercial markets for inventions in an area directly related to the field of technology which includes the work called for by this procurement request? 5. If 4(a), (b) or (c) are answered "Yes", give basis for answer. (Attach separate page if additional space is needed.) (d) Has contractor developed non-governmental commercial markets for inventions in an area directly related to the field of the total commercial position? (If answer is "Yes", contractor should be required to define his program.) (d) Has contractor developed non-governmental commercial markets for inventions in an area directly related to the field of the total commercial position? (If answer is "Yes", would contract a manufacturer or source of products or services in an area directly related to the field of or answer. (Attach separate page if additional space is needed.) III. PATENT COUNSEL EVALUATION If Question 4 or 5, in Part I is answered "Yes", would contract or should be required to define his program.) ACTIVITY ONTE. Answered "Yes", would contract or should be required to define his program for the page is needed.) III. PATENT COUNSEL EVALUATION If Question 4 or 5, in Part I is answered "Yes", would contract or should be required to define his program for the page is needed.) III. PATENT C	l. (a) Is contractor an educational or non-profit institution?	T	Т	4. (b) Is contractor regularly engaged in the YES Is sale or licensing of such products or services to— the U.S. general public (including business	NO
foreign nationals (including business concerns) (b) Is contractor a "newly formed" research and development organization? (c) Has contractor developed non-governmental commercial markets for inventions in an area directly replated to the field of the possibility of an older organization? (d) Is contractor a "new" independent research and development division or a subsidiary of an older organization? (e) Has contractor developed non-governmental commercial possibility of an older organization under 2(a), or division or subsidiary under 2(b), established more than five years shall NOT be considered "newly formed" or "new". 3. If the answer to 2(a) or 2(b) is "yes", does contractor have a definite program for establishing a non-governmental commercial position? (If answer is "Yes", contractor should be required to define his program.) 4. (a) Is contractor a manufacturer or source of products or services in an area directly related to a field of technology which includes work called for under this request? CONTRACT SPECIALIST (Signeter to the field of the part of the	patent policy been approved by Department of Defense?	12		the U.S. Government	
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NR 049-216/9-3-65 Contract Number: 5144(00)

UNCLASSIFIED

16 November 1965

Information Systems Branch Mathematical Sciences Division Office of Naval Research

University of Maryland Computer Science Center College Park, Maryland

1. Statement of Facts

On 28 July 1965 the Contractor submitted an unsolicited written proposal to conduct research on the theory of image processing for a one year period commencing 1 December 1965 and requested funds in the amount of \$1,225.00 to support the work. In view of the very limited nature and scope of the research a fixed price contract will be negotiated.

The Office of Naval Research, Information Systems Branch, Mathematical Sciences Division reviewed the Contractor's proposal from a technical standpoint, approved the same and submitted Procurement Request NR 049-216, dated 3 September 1965, in the amount of \$1,225.00 to support the project for the period requested by the Contractor and recommended that an appropriate contract be negotiated.

2. <u>Description of the Work</u>

The Contractor will conduct research on the theory of image processing. This research will lead to the preparation of a unified, systematic treatment of concepts and mathematical techniques of pictorial data processing.

3. Analysis of the Price

Travel Typing					\$ 500.00 500.00
Overhead	45%	of'	typing	costs	225.00
			Total		\$ 1,225.00

Items for travel and typing constitute the largest and only items of expense and have been set forth in adequate detail for budgetary purposes. The overhead rate of 45 percent of the typing costs is acceptable for purposes of this fixed price contract and has been approved by Code 603.

4. Period of Performance

Research under this contract will be conducted during the period 1 December 1965 through 30 November 1966.

5. Other Pertinent Information

The Contractor stated that no advertising costs prohibited by Public Law 88-149 have been included in its budget.

The contract will include all currently required clauses and modifications.

6. Authority and Reasonableness

Authority for the negotiation of the proposed contract is 10 U.S.C. 2304 (a)(5) since it is with an educational institution. In the opinion of the undersigned, the terms and conditions of the proposed contract, as outlined above, appear to be fair, reasonable and in the interest of the Government.

L.A. DURKIN

Contract Specialist